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UNITED STATES PLANT PATENT APPLICATION

of

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for

CLEMATIS PLANT NAMED

'EVIp0001'



SUMMARY OF THE INVENTION

BOTANICAL CLASSIFICATION

Clematis l.

Genus - *Clematis*

Species - *viticella*

VARIETY DENOMINATION

'EVIpo001'

COMMERCIAL CLASSIFICATION

Summer Flowering Cultivar

The present invention constitutes a new and distinct variety of *Clematis* which originated from a chance pollination between the female seed parent an unnamed, non-patented plant and an unknown male pollen parent plant.

The new clematis may be distinguished from its female seed parent by the following combination of characteristics:

1. The seed parent has purple flowers. 'EVIpo001' has violet blue flowers.
2. The seed parent has a white flower center. 'EVIpo001' has a yellow center.

The seed resulting from the chance pollination was planted in a controlled environment. The new variety is named 'EVIpo001'.

The objective of the selection of this Clematis variety for commercial glasshouse and nursery culture was to create a new and distinct variety with:

1. Profusion of light violet flowers;
2. Summer flowering;
3. Yellow flower center;
4. Vigorous growth habit.

These qualities required improvement in Clematis varieties that were in commercial cultivation and the objectives have been substantially achieved in the new variety, as evidenced by the unique combination of characteristics that are present in 'EVIpo001' which distinguish it from all other varieties of which we are aware.

The seeds from the aforementioned chance pollination were germinated and evaluations of the resulting seedling plants were conducted in a controlled environment. As a result, 'EVIpo001' was selected by Raymond J. Evison and Mogens N. Olesen in their Clematis development program in Domarie

Vineries Les Sauvagees, St. Sampsons, Guernsey, Channel Islands, United Kingdom in April of 1997.

Asexual reproduction of 'EVipo001' by cuttings was first done by Raymond J. Evison and Mogens N. Olesen in Domarie Vineries Les Sauvagees, St. Sampsons, Guernsey, Channel Islands, United Kingdom in June of 1997. This initial and subsequent propagations have demonstrated that the characteristics of 'EVipo001' are true to type and are transmitted from one generation to the next.

BRIEF DESCRIPTION OF THE DRAWING

The accompanying color illustration show as true as is reasonably possible to obtain in color photographs of this type. Specifically illustrated in SHEET 1:

- Fig. 1 Bloom, upper side;
- Fig. 2 Bloom, lower side;
- Fig. 3 Partially opened flower, flower bud closed, and flower bud at $\frac{1}{4}$ opening;
- Fig. 4 Mature leaves;
- Fig. 5 Stem and juvenile foliage, showing attachment of leaves.

Specifically illustrated in SHEET 2:

'EVipo001' in its entirety growing on a support structure.

DETAILED DESCRIPTION OF THE VARIETY

The following is a detailed description of 'EVipo001',
as observed in its growth throughout the flowering period in
glasshouses at Domarie Vineries Les Sauvagees, St. Sampsons,
Guernsey, Channel Islands, United Kingdom. Observed plants
were cultivated for a period of 24 months in 2 liter
containers. Certain phenotypical characteristics of the
variety may vary under different environmental, cultural,
agronomic, seasonal, and climatic conditions. Color
references are made using the Royal Horticultural Society
(London, England) Colour Chart, 1995.

For a comparison, the nearest existing Clematis variety
is 'Rhapsody', a non-patented variety. Chart 1 details
several physical characteristics of 'Evipo001' and the
comparison variety.

Chart 1

	'EVipo001'	'Rhapsody'
Flower diameter	90 mm to 120 mm.	100 mm to 150 mm.
Typical growth in one season	2.5 m to 3.0 m.	2.0 m to 2.5 m.

Peduncle aspect	Horizontal to slightly nodding.	Erect to horizontal.
Tepal count	Normally 4 to 6.	Normally 6 to 8.

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FLOWER AND FLOWER BUD

Blooming habit: Summer. Generally flowers in June, July, August, and September.

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Flower bud:

Size: 30 to 40 mm in length. Bud diameter is 12 to 15 mm.

Bud form: Long ovoid.

Bud color: Green Group 138C at 1/4 opening.

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Peduncle:

Surface: Smooth.

Length: 90 to 120 mm average length.

Color: Yellow-Green Group 144B maturing to Red-Purple Group 61A.

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Strength: Between horizontal and slightly nodding.

Receptacle: None.

Borne: Borne on compound cymes.

Flower bloom:

Size: 90 to 120 mm in diameter.
Form: Opens flat with tepals recurving.
Depth: Little depth (5 to 10 mm) but anthers and
5 stigma protrude giving the flower a total
depth of 15 to 20 mm.

Fragrance: None to very light.

Lasting quality on plant: 7 to 12 days.

10 Lasting quality as a cut flower: 2 to 5 days.

Tepals:

Tepal Color: Upon opening, upper and lower surfaces
are Violet Group 88D.

15 After opening, upper and lower surfaces
are Violet Group 88D.

Variations: The longitudinal region of the tepal
undersurface may show a slight white
central bar, White Group 155A, along its
20 length. As the flower ages general
tonality fades slightly to Violet Group
88C.

Quantity: Single. Average range is 4 to 6 tepals.

25 Shape: Individual tepal shape is elliptical to
ovate. Tepal base shape is acute.

Cross section:

Normally straight.

Undulation of margin:

Entire.

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Tepal apex: Acute.

Recurvature of tip:

Tip recurves.

Persistence: Drop off cleanly.

Arrangement: Tepals are arranged regularly.

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Reproductive Organs:

Pollen:

Quantity: Below average.

Color: Yellow Group 11B.

Anthers:

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Size: Small, 3 to 5 mm.

Color: Yellow-Green Group 145C.

Arrangement: Regular.

Filaments:

Color: White Group 155A.

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Pistil count: 20 to 30.

Stigmas: Protrude from anthers as flower ages.

Styles: Yellow-Green Group 145C.

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PLANT

Plant form: Climbing and spreading depending on host.

Plant growth: Vigorous.

Height: Seasons growth attains 2.5 to 3.0 meters.

Spread: Typically 1 to 2 meters.

5 Hardiness: Trials to date show the variety hardy in USDA
Zones 4-9.

Stems:

Color: Young wood: Red-Purple Group 61A.

10 Older wood: Light Brown (actual RHS
designation Greyed-Orange 165C).

Internodes:

Shape: Cylindrical.

Length: 100 to 150 mm.

Petioles:

15 Size: 60 to 80 mm.

Color: Green Group 143A maturing to
Red-Purple Group 61A.

Bark:

Young wood: Smooth.

20 Older wood: Smooth.

Plant foliage: Deciduous. Trifoliate with three broad
elliptical to ovate leaflets. Can
occasionally be simple.

Terminal Leaflet Size: 60 to 80 mm (l) x 40 to 50 mm
25 (w).

Abundance: Above average.
Color: Top: Green Group 137B.
Bottom: Green Group 137B.

Plant leaves and leaflets:

5 Stipules: Absent.
 Petioles:
 Size: 60 to 80 mm in length.
 Color: Green Group 143A maturing to Red-Purple
 Group 61A.
10 Petioloule:
 Length: 10 to 40 mm.
 Color: Green Group 143A maturing to Red-Purple
 Group 61A.
 Leaf Edge: Terminal leaflet margin is entire.
15 Leaflet Shape:
 Base: Rounded.
 Apex: Acute.
 Texture: Smooth.
 Surface:
20 Upper side: Rough with a matte finish.
 Lower side: Rough with a matte finish.
 Thickness: Thick.
 Glossiness: Matte Finish.

Disease resistance:

Subject to any disease that normally attacks the species, however the variety is more tolerant to Botrytis and Wilt than some Clematis.